

CCGGCCACGGGGCCTGCCACCATACCCACGCCGAAACAAGCGCTCATGAGCCCGAAGTGGCGAGCCCGATCTTCCCCATCGGTGATGTCGGCGATATAGG  
template sequence LacZ delta M15 in Pet28a

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aligned sequence Sequencing Results Using T7 Primer

CGCCAGCAACCGCACCTGTGGCGCCGGTATGCCGGCCACGATGCGTCCGGCGTAGAGGATCGAGATCTCGATCCCGCGAAATTAATACGACTCACTATA  
template sequence LacZ delta M15 in Pet28a

T7 promoter >>

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aligned sequence Sequencing Results Using T7 Primer

GGGGAATTGTGAGCGGATAACAATTCCCCTCTAGAAATAATTTTGTTTAACTTTAAGAAGGAGATATACCATGGGCAGCAGCCATCATCATCATCAC  
lac operator RBS 6xHis  
template sequence LacZ delta M15 in Pet28a

-----GAGAAAATTCCTCNGAATA-----TTTGTTTACTTTAAGAAGGAGATATACCATGGGCAGCAGCCANCATCATCATCATCAC  
aligned sequence Sequencing Results Using T7 Primer

AGCAGCGGCCTGGTGCCGCGCGGCA-----GCCATATGGCTAGCATGACTGGTGGACAGCAAATGGGTCGCGGATCCGAATTCaGCGGCC  
thrombin site T7 tag MCS  
template sequence LacZ delta M15 in Pet28a

GATTACGATATCCCAACGACCGAAACCTTTACTTCCAGGGCCATATGGCTAGCATGACTGGTGGACAGCAAATGGGTCGCGGATCCGAATTCAGCGGCC  
aligned sequence Sequencing Results Using T7 Primer

GCTTCTAGatgaccatgattacggattcactggccgtcgttttacaacgtcgtgactgggaaaaccctggcgttacccaacttaatcgcccttgacgacaca

M13 fwd

lacZ

LacZ deletion R

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GCTTCTAGATGACCATGATTACGGATTCACCTGGCCGTCGTTTTACAACGTCGTGACTGGGAAAACCCTGGCGTTACCCAACCTTAATCGCCTTGCAGCACA

aligned sequence Sequencing Results Using T7 Primer

tccccctttcgccagctggcgtaatagcgaagaggcccgccaccgatcgcccttccaacagttgcgcgagcctgaatggcgaatggcgctttgcctgggtt

lacZ

lacZ deletion F

template sequence LacZ delta M15 in Pet28a

TCCCCCTTTCGCCAGCTGGCGTAATAGCGAAGAGGCCCGCACCGATCGCCCTTCCAACAGTTGCGCAGCCTGAATGGCGAATGGCGCTTTGCCTGGTTT

aligned sequence Sequencing Results Using T7 Primer

ccggcaccagaagcgggtgccggaagctggctggagtgcgatcttcctgaggccgatactgtcgtcggtcccctcaaactggcagatgcacggttacgatg

lacZ

template sequence LacZ delta M15 in Pet28a

CCGGCACCAGAAGCGGTGCCGGAAGCTGGCTGGAGTGCATCTTCTGAGGCCGATACTGTCGTGTCGCCCTCAAACCTGGCAGATGCACGGTTACGATG

aligned sequence Sequencing Results Using T7 Primer

cgcccatctacaccaacgtgacctatcccattacgggtcaatccgccggttggttcccacggagaatccgacgggttggtactcgctcacatttaagtgtga

lacZ

template sequence LacZ delta M15 in Pet28a

CGCCCATCTACACCAACGTGACCTATCCCATTACGGTCAATCCGCCGTTTGTTCACGGAGAATCCGACGGGTGTTACTCGCTCACATTTAATGTTGA

aligned sequence Sequencing Results Using T7 Primer

tgaagctggctacaggaaggccagacgcgaattatTTTTGATGGCGTTAACTCGGCGTTTCATCTGTGGTGCAACGGGCGCTGGGTTCGGTTACGGCCAG

lacZ

template sequence LacZ delta M15 in Pet28a

TGAAAGCTGGCTACAGGAAGGCCAGACGCGAATTATTTTTGATGGCGTTAACTCGGCGTTTCATCTGTGGTGCAACGGGCGCTGGGTTCGGTTACGGCCAG

aligned sequence Sequencing Results Using T7 Primer

gacagtcgtttgccgtctgaatttgacctgagcgcatttttacgcgccggagaaaaccgcctcgcggtgatggtgctgcgctggagtgacggcagttatc

lacZ

template sequence LacZ delta M15 in Pet28a

GACAGTCGTTTGCCGTCTGAATTTGACCTGAGCGCATTTTTACGCGCCGGAGAAAACCGCCTCGCGGTGATGGTGCTGCGCTGGAGTGACGGCAGTTATC

aligned sequence Sequencing Results Using T7 Primer


tggaagatcaggatatgtggcgg-atgagcggcattttccgtgacgtctcgttgctgcataaaccgactacacaaatcagcgatttccatg-ttgccact

lacZ

template sequence LacZ delta M15 in Pet28a

TGGAAGATCAGGATATGTGGCGGAATGAGCGGCATTTCCGTGACGTCTCGTTGCTGCATAAACC GACTACACAAATCAGCGATTTCATGNTTGCCACT

aligned sequence Sequencing Results Using T7 Primer



cgc-tttaatgatg-atttcagccgcgctgtactgg-aggctgaagttcagatgtgcggcg-agttgctgactacctac-gggtaacag-tttctttat

lacZ

template sequence LacZ delta M15 in Pet28a

CGCTTTTAATGATGAATTTTCAGCCGCGCTGTACTGGAAGGCTGAAGTTCAAATGTGCGGCGAAGTTGCGTGACTACCTACGGGGTAACAGTTTCTTNAT

aligned sequence Sequencing Results Using T7 Primer



ggcagggtg---aaacgcaggtc-----gccagcggcacccgcgcctttcggcggtgaaattatcgatgagcgtggttggttatgccgatcgcgtcac

lacZ

template sequence LacZ delta M15 in Pet28a

GGNCAGGGGTGAAAACGCANGTTCGCCAAGCGGGCACCGGNGCCNTTTNGGGGGGGTGAAAAATTATCGAATGAA-----

aligned sequence Sequencing Results Using T7 Primer

actacgtctgaacgtcgaaaacccgaaactgtggagcgccgaaatcccgaatctctatcgtgcggtggttgaaactgcacaccgccgacggcacgctgatt

lacZ

template sequence LacZ delta M15 in Pet28a

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aligned sequence Sequencing Results Using T7 Primer

gaagcagaagcctgcgatgtcggtttccgcgaggtgcggattgaaaatggtctgctgctgctgaacggcaagccgttgctgattcgaggcggttaaccgtc

lacZ

template sequence LacZ delta M15 in Pet28a

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aligned sequence Sequencing Results Using T7 Primer

acgagcatcatcctctgcatggtcaggatcatggatgagcagacgatggatgcaggatatcctgctgatgaagcagaacaactttaacgccgtgcgctgttc

lacZ

template sequence LacZ delta M15 in Pet28a

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gcattatccgaaccatccgctgttggtacacgctgtgacgacctacggcctgtatgttggtggatgaagccaatatagaacccacggcatggtgccaatg

lacZ

template sequence LacZ delta M15 in Pet28a

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aatcgtctgaccgatgatccgcgctggctaccggcgatgagcgaacgcgtaacgcgaatgggtgcagcgcatcgtaatcacccgagtgatcatctggt

lacZ

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cgctggggaatgaatcaggccacggcgctaatacagacgcgctgtatcgctggatcaaactgtcgatccttcccgcccggtgcagtatgaaggcggcgg

lacZ

template sequence LacZ delta M15 in Pet28a

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